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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/030,586	05/24/2002	Hans Lander	10191/2175	6461
26646 KENYON & K	7590 03/12/2007 ENYON LLP	EXAMINER		
ONE BROADV	WAY	HWU, DAVIS D		
NEW YORK, NY 10004			ART UNIT	PAPER NUMBER
			3752	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		03/12/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	Application No.	Applicant(s)				
	10/030,586	LANDER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Davis D. Hwu	3752				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 12 Fe	ebruary 2007.					
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	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 16 and 19-25 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 16 and 19-25 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. Settion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 12/4/06.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate				

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Response to Amendment

- 1. Applicant's amendment and remarks of February 12, 2007 are acknowledged and entered and have been fully considered.
- 2. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.
- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

4. Claims 16, 19, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Makimura in view of Pontoppidan.

Makimura discloses a fuel injector comprising a fuel inlet, a movable valve-closure member 5, a fixed valve seat element 7 to cooperate with the valve-closure member as recited, and a downstream valve end including an outlet component 21 and a fuel outlet wherein the fuel outlet includes at least one discharge orifice 22 of the outlet component, the outlet component including the at least one discharge orifice is arranged directly downstream of the fixed valve seat element and permanently joined to the fixed valve seat member, and the discharge orifice of the outlet component is inclined to an angle relative to the longitudinal axis of the valve. Makimura, however, does not disclose the coating as recited. Pontoppidan teaches a fuel injector comprising a movable valve-closure member 9 and a fixed valve seat element to cooperate with the valve-closure member to open and close a valve in which the seat has an outlet that includes a coating around the discharge orifice including in an

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immediate exterior of an outlet area of the discharge orifice to protect against scaling. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the device of Makimura by providing a coating at least one discharge orifice as taught by Pontoppidan in order to protect against scaling.

5. Claims 21-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Makimura in view of Pontoppidan as applied to claim 16 above, and further in view of Fedorovich et al.

Fedorovich et al. teaches coating internal combustion engines with fluorosilicate to improve heat resistance of the various surfaces of the engines. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the device of Makimura and Pontoppidan by providing a coating comprising fluorosilicate as taught by Fedorovich et al. in order to provide heat resistance also. The actual coating area would have been a matter of design choice depending on the required coverage area and the method of spraying or dipping as recited in claim 24 would have been a matter of production preference since both methods are known in the art.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davis D. Hwu whose telephone number is 571-272-4904. The examiner can normally be reached on 8:00-4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Shaver can be reached on 571-272-4720. The fax phone number for the organization where this

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application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

PRIMARY EXAMINER